Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/22/2022 09:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124185	-1	1.46	124075	1.45
Blue	F	SSC	125000	122667	-2	2.50	123134	2.36
Blue	E	FITC	13602	13039	-5	2.52	364	13.48
Blue	D	PE	24891	24493	-2	2.03	582	10.28
Blue	B	PerCP-Cy5-5	33972	32745	-4	3.23	935	14.62
Blue	A	PE-Cy7	22865	22478	-2	5.23	470	30.47
Red	C	APC	47198	46477	-2	2.96	1603	11.43
Red	A	APC-Cy7	26454	25668	-3	3.49	723	12.29
Violet	B	V450	6737	6392	-6	3.94	444	11.46
Violet	A	V500	29317	28166	-4	3.55	961	8.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24055	2.89	534	-1	N/A	N/A	Pass
Blue	F	SSC	55090	2.16	516	-5	N/A	N/A	Pass
Blue	E	FITC	54	54.62	484	0	0.0441	109	Pass
Blue	D	PE	112	38.02	488	2	0.4269	295	Pass
Blue	B	PerCP-Cy5-5	147	42.15	579	0	0.0213	125	Pass
Blue	A	PE-Cy7	77	82.37	623	2	0.0227	10	Pass
Red	C	APC	336	25.88	572	0	0.0292	217	Pass
Red	A	APC-Cy7	134	35.04	550	-1	0.0066	1493	Pass
Violet	B	V450	76	44.87	451	1	0.0538	1884	Pass
Violet	A	V500	113	31.77	471	2	0.0267	1058	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.55	-31.26	1.01
Blue	20.34	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.48	13.90 - 20.86	N/A	N/A	29.65	29.92	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 13982

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments